Sheet 1 of 9

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. 890050.443 APPLICANTS

APPLICATION NO. 10/684,981

NFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Hiroyasu Inoue et al. FILING DATE October 14, 2003

GROUP ART UNIT 1756

## **U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
W	, AA	3,959,799	05/28/76	Gambino et al.	346	135	
w	AB	4,357,616	11/02/82	Terao et al.	346	135.1	
w	AC	4,477,819	10/16/84	Lee et al.	346	76 L	
u	AD	4,587,533	05/96/86	Nakane et al.	346	135.1	
u	AE	4,647,947	03/93/87	Takeoka	346	135.1	
w	ĄF	4,670,345	06/92/87	Morimoto	428	411.1	
m	AG	4,771,413	09/1/3/88	Nago	369	109	
u	ΑН	4,772,897	09/28/88	Ohkawa	346	135.1	
w	Al	5,185,733	02/09/93	Finkelstein et al.	369	54	
w	AJ	5,194,363	03/16/93	Yoshioka et al.	430	271	

## FOREIGN PATENT DOCUMENTS

1	1	DOCUMENT	DATE	COUNTRY	TRANSI	LATION
	ļ	NUMBER		COUNTRY	YES	МО
w	AK	57-022095	02/94/82	JP (Abstract in English only)		
m	AL	57-027788	02/1/5/82	JP (+ Abstract in English)		
n	AM	58-220794	12/22/83	JP (+ Abstract in English)		
au	AN	59-225992	12/19/84	JP (+ Abstract in English)		
w	ΑО	60-160036	08/21/85	JP (+ Abstract in English)		
a	AP	0 068 801 B1	09/10/86	ЕР		_

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

M AO	Inoue, H., et al., "Inorganic Write-Once Disc for High Speed Recording," Jpn. J. Appl. Phys.
	Vol. 42, part 1, no. 2B, pp. 1059-1061, February 2003.
lu AR	Resolution Near-Field Structure Disk with Platinum-oxide Layer," Applied Physics Letters
	81(25):469 <b>7</b> -4699,

**EXAMINER** 

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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		U.S. DEPARTMENT OF PATENT AND TRADEM			ATTY. DOCKET NO. 890050.443			CATION NO. 34,981		
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	INFO	RMATION DISCLOSUR (Use several sheets if nea		Γ	Hiroyasu Inoue et al.		CROW	D A DELIBUE		
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			U.S	. PATENT I	DOCUMENTS					
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLA	ss	SUBCLASS	FILING IF APPR	DATE OPRIATE
M	ВА	5,208,088	05/04/93	Tominaga	a et al. 428 64					
w	вв	5,297,132	03/22/94	Takano et	al.	369		284		
4 m	вс	5,325,351	06/28/94	Uchiyama	et al.	369		275.1		
W	BD	5,401,330	03/2/8/95	Saito et al	•	136		259		
W	BE	5,414,451	05/08/95	Sugiyama	et al.	347		258		
hu	BF	5,458,941	10/1/1/95	Hintz		428		64.4		
w	BG	5,511,057	04/23/96	Holtslag e	t al.	369		94		
n	вн	5,583,643	12/10/96	Gass et al.	·	356		445		
w	ВІ	5,656,370	08/1/2/197	et al.	428		332			
W	ВЈ	5,818,808	Takada et	al.	369		116			
			FOREI	GN PATEN	T DOCUMENTS					
		DOCUMENT NUMBER	DATE		COUNTRY				TRANSI	ATION NO
W	вк	62-16193	01/24/87	JP (+ Abst	ract in English)					
ar	BL	62-28941	02/06/87	JP (+ Abst	ract in English)	·				
n	ВМ	62-204442	09/99/87	JP (+Engli	sh Abstract only)	•				•
m	BN	62-245545	10/26/87	JP (+ Abst	ract in English)					
m	во	37 41 910 A1	06/2/3/88	DE (+ Abs	stract in English)					
		ОТНЕ	R PRIOR A	RT (Including)	Author, Title, Date, Pertinent Pag	ges, Eic.)		_		
m	ВР	Kim, J., et al.	, "50nm Sig	nal Writing	and Retrieve by PtOx	Туре	S-RE	NS Disk	in Blu	3
		Laser Optical	System," E	xtended Ab	stracts, 63rd MeetingT	he Jar	oan S	ociety of	Applie	d
		Physics, Abst	ract No. 27a	a-YD-4, p. 1	005, September 2002.					
m	BQ				al Characteristics of S	_				
EVALORIE		System," Tec	bnical Diges		Data Storage Topical	Meeti	ing, p	p. 273-27	5, 200	4
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* EXAMINE		nitial if reference considere onformance and not consider	ed, whether or not dered. Include con	criteria is in conf	formance with MPEP 609. Draw th next communication to application	line thro	ugh cita	tion if not in		
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Sheet <u>3</u> of <u>9</u>

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	INFO	RMATION DISCLOSUE (Use several sheets if ne		ŗ	Hiroyasu Inoue et al. FILING DATE		GRO	UP ART UNIT		
					October 14, 2003		1750			
			U.S	. PATENT	DOCUMENTS					
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLAS	ss	SUBCLASS		DATE OPRIATE
w	CA	5,875,169	02/23/99	Hatwar	369 272			272		
m	СВ	5,912,104	06/1/5/99	Hirotsun	e et al. 430 270.13			270.13		
	∕cc	5,948,496	09/9/1/99	a et al.	428 64.1		64.1			
w	CD	5,949,747	09/07/199	Miyashit	a et al.	369		54		
W	CE	5,958,649	Hirotsun	e et al.	430		270.13			
	CF	6,033,752	03/9//00	Suzuki et	al.	428		64.1		
w	ÇG	6,096,399	08/01/00	Yoshinar	i et al.	428		64.1		
m	СН	6,111,851	08/25/00	Ohki et a	1.	369		286		
an	,CI	6,143,469	11/07/00	Ohta et a	I	430		270.13		
Me	C1	6,187,406	Ichihara e	et al.	428		64.1			
			FORE	GN PATE	NT DOCUMENTS					
		DOCUMENT NUMBER	DATE		COUNTRY				TRANSLATION YES NO	
ar	СК	63-299984	12/0/1/88	JP (+ Abs	stract in English)	•			•	
m	CL	01-158633	06/21/89	JP (+ Abs	stract in English)					
in	ĆМ	1-270528	10/27/89	JP (+ Abs	stract in English)					
u	CN	2-152029	06/12/90	JP (+ Abs	stract in English)					
m	co	3-49054	03/01/91	JP (+ Abs	stract in English)					
h	СР	0 474 311 A1	03/11/92	EP						
u	cq	4-86283	03/1/8/92	JP (+ Abs	tract in English)					
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m	CR				es of Super-RENS Dis		e La	ser Systen	1,"	
					mposium on Optical I					
12	Kim, J., et al., "Super-Resolution by Elliptical Bubble Formation with PtOx and AglnSbTe Layers," Applied Physics Letters, 83(9):1701-1703, September 1, 2003.									
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		,	U.S	. PATENT 1	DOCUMENTS			
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLA	SS SUBCLASS	FILING DATE IF APPROPRIATE
ke	DA	6,210,860	04/08/01	Fukano et	al.	430	270.12	
w	DB	6,221,455	04/24/01	Yasuda et	al	428	64.1	,
N	DC	6,231,945	05/1/5/01	Miyamoto	et al.	428	64.1	
w	DD	6,254,966	07/03/01	Kondo		428	156	
M	DE	6,266,299	07/24/01	Oshima et	al.	369	13	
Nu	DF	6,278,680	08/2/1/01	Miyauchi	et al.	369	112.01	
m	DG	6,355,326	03/12/02	Lee et al.		428	64.1	
W	DH 0,404,712 00/1/1/02 Lee					369	47.53	
n	n DI 6,404,713 06/1/02 U			Ueki		369	47.53	
		, 	FOREI	GN PATEN	T DOCUMENTS			,,,,,
		DOCUMENT NUMBER	DATE		COUNTRY			TRANSLATION YES NO
in	DJ	4-226785	08/1/1/92	JP (+ Abst	ract in English)			
m	DK	4-298389	10/2/2/92	JP (+ Abst	ract in English)			
w	DL	0 350 078 B1	03/99/94	EP				
asy	DM	6-171236	06/21/94	JP (+ Abst	ract in English)			·
m	DN	6-243507	09/02/94	JP (+ Abst	ract in English)			
m	DO	6-262854	09/2/0/94	JP (+ Abst	ract in English)			
		OTHE	R PRIOR A	RT (Including A	luthor, Title, Date, Pertinent Pa	ges, Etc.)		
1.	DP	Narumi, K. et	al., "45GB	Rewritable	Dual-Layer Phase-Ch	ange C	Optical Disk W	
M					Cechnical Digest, Inter			
14					Taiwan, October 16-19 ole Formation on Cr/A			
an	DQ				f Applied Physics 55(			
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			U.S	. PATENT I	DOCUMENTS				
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLA	SS SUBCLASS		DATE OPRIATE
w	EA	6,416,837	07/99/02	Kojima et	al.	428	64.1		
w	EB	6,511,788	01/2/8/03	Yasuda et	al.	430	270.13		
w	EC	6,551,679	04/22/03	Kuroda et	al.	428	64.1		
w	ED	6,608,799	08/1/9/03	Hozumi		369	13.26		
w	EE	6,611,481	08/26/03	Koishi et a	al.	369	47.53		
W	EF	6,636,477	10/21/03	Miyamoto	et al.	369	286		
w	EG	6,656,559	12/02/03	Mizushim	a et al.	428	64.1		
w	ЕН	6,660,451	12/ø9/03	Sakaue et	al.	430	270.13		
m	EI	6,670,014	12/30/03	Nishihara	et al.	428	64.1		
m	EJ	6,788,635	09/9/1/04	Aratani et	al.	369	100		
			FOREI	GN PATEN	T DOCUMENTS				
		DOCUMENT NUMBER	DATE		COUNTRY			TRANSI	LATION NO
ar	EK	6-274922	09/36/94	JP (+ Abst	ract in English)	•	<del></del>		
m	EL	7-235465	09/95/95	JP (+ Abst	ract in English)				
U	ЕМ	8-124165	05/17/96	JP (+ Abst	ract in English)	·,			
an	EN	9-7176	01/26/97	JP (+ Abst	ract in English)				
an	EO	0 822 543 A1	02/94/98	EP	-				
m	EP	10-76755	03/24/98	JP (+ Abst	ract in English)				
m	EQ	10-134919	05/22/98	JP					
m	ER	0 978 831 A2	02/99/00	EP	·				
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		-	U.S	. PATENT I	DOCUMENTS			<u> </u>		
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLA	ss	SUBCLASS		G DATE OPRIATE
n	FA	6,791,926	09/1/4/04	Furumiya	et al.	369		53.13		
m	FB	6,805,935	10/19/04	Ashida et	al.	428		64.1		
m	FC	6,807,142	10/1/9/04	Nagata et	al.	369		275.2		
h	FD	6,841,218	01/1/1/05	Hosoda et	al.	428		64.1		
W	FE	6,929,840	08/1/6/05	Hosoda et	al.	428		64.1	,	
w	FF	6,982,111	01/03/06	Mizushim	a et al.	428		64.1		
w	FG	6,996,055	Mishima e	et al.	369		283			
w	FH	7,002,887	Kakiuchi e	et al.	369		59.12			
w	FI	7,018,694	Hosoda et	al.	428		64.1			
w	44 FJ 2001/0012257 08/99/01 Suzu				al.	369		94		
			FOREI	GN PATEN	T DOCUMENTS					
		DOCUMENT NUMBER	DATE		COUNTRY				TRANS	LATION NO
m	FK	2000-187842	07/94/00	JP (+ Abst	ract in English)		•			
n	FL	2000-187884	07/94/00	JP (+ Abst	ract in English)		•		-	
m	FM	2000-222764	08/1/00	JP (+ Abst	ract in English)					
m	FN	1 028 421 A2	08/1/6/00	EP						
w	FO	2000-285509	10/1/2/00	JP (+ Abst	ract in English)					
m	FP	2000-297365	10/24/00	JP (+ Abst	ract in English)					
in	FQ	2001-155380	06/98/01	JP (+ Abst	ract in English)					
ai	FR	2001-222819	08/1/01	JP (+ Abst	ract in English)		_			
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	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE						ATTY. DOCKET NO. 890050.443			ICATION NO. 584,981		<u>/_ 01 _Z</u>
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//	GA	2001/0017833		3/3/0/01	Yamad	la e	et al.	369		59.11		
9	GB	2001/0044002		/2/2/01	Shinga	i et	al.	428 64.4		64.4	4	
ac	GC	2001/0044073	11	13/2/01	Fukan	o et	al.	430		270.12		
m	GD	2002/0060979	05	12/102	Tsuku	la e	et al.	369		275.4		
ur.	95 2002/00/00 00/40/02 2Mou et						•	430		270.13		
u	dr 2003/0001323 03/j01/03 Wilyaga						a et al.	369		59.11		
	GG 2003/0086359 05/98/03 Lee et a					al.		369 275.3		275.3		
	GH 2003/0165111 09/04/03 Flynn							369		288		
a	Gi 2003/0224215 12/04/03 Kondo e					et	al.	429		694 ML		
				FOREI	GN PAT	EN	T DOCUMENTS					
,		DOCUMENT NUMBER	:	DATE			COUNTRY				TRANSI	LATION
W	GJ	2001-243655		09/9/7/0	1 JP	(+ /	Abstract in English)				125	
ar	GK	1 154 413 A2		11/ <b>J</b> 4/0	1 EP	•		•				
nu	GL	2001-322357		11/2/0/0	1 JP	(+ /	Abstract in English)					
w	GM	WO 01/93256 A	.1	12/96/0	1 WI	PO						
w	GN	2001-344823		12/1/4/0	1 JP	(+ /	Abstract in English)	·				
W	GO	1330368 A		01/9\$/0	2 CN							
u	GP	1 172 811 A2		01/1/6/0	2 EP							
u	GQ	1 178 472 A2		02/96/0	2 EP							
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLAS	SS SUBCLASS		G DATE OPRIATE
W	НА	2003/0228539	12/1/1/03	Hosoda e	t al.	430	270.13		
w	НВ	2004/0001418	01/01/04	Shinotsuk	ca et al.	369	111		
u.	нс	2004/0018334	01/2/9/04	Nee		428	64.1		
W	HD	2004/0076907	04/22/04	Inoue et a	1.	430	270.12		
an	HE	2004/0241581	12//02/04	Kakiuchi	et al.	430	270.12		
-m	HF	2005/0018590	01/27/05	Inoue et a	1.	369	275.2		
w	HG	2005/0018591	01/27/05	Inoue et a	1.	369	275.2		
w	нн	2005/0018592	01/2/1/05	Inoue et a	1.	369	275.2		
w	ні	2005/0047301	03/93/05	Inoue et a	1.	369	94		
u	нл	2005/0047302	03/9⁄3/05	Inoue et a	l.	369	94		
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	<u>IA</u>	2005/0047303	03/03/05	Inoue et a	l	369	94		
w	IB	2005/0047304	03/03/05	Inoue et a	l	369	94		
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n	IP	2004-39177	02/95/04	JP (+ Abst	ract in English)				
an	IQ	2004-87073	03/1/8/04	JP (+ Abst	ract in English)			_	
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